

What is claimed is:

1 1. A fluid quick connector comprising:
 2 a connector housing configured to mate with a male endform; and
 3 an electrically conductive contact member mounted in the housing and
 4 contacting the male endform to electrically connect the male endform and the quick
 5 connector housing.

2 2. The fluid quick connector of claim 1 wherein the contact
 member comprises:
 3 a first portion mountable in the quick connector housing bore in contact
 4 with the quick connector housing; and
 5 at least one arm extending from the first portion for contact with the
 6 male endform.

1 3. The fluid quick connector of claim 2 further comprising:
 2 the arm extendable through an open end of the bore in the male
 3 endform in contact with a surface of the male endform.

1 4. The fluid quick connector of claim 3 further comprising:
 2 the arm having a bent end extendable into the male endform.

1 5. The fluid quick connector of claim 4 wherein the arm and the
 2 bent end comprise:
 3 a beam portion extending from the first portion of the contact member;
 4 a back taper surface extending angularly from the beam portion; and
 5 a tip end extending angularly from an edge at one end of the back taper
 6 surface and defining a lead-in surface adapted to be engaged by a tip end of the
 7 endform.

1 6. The fluid quick connector of claim 5 wherein:

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2 the back taper surface extends at an obtuse included angle with respect
 3 to the beam; and
 4 C/ the tip end extends at an obtuse included angle from the back taper
 5 surface.

1 7. The fluid quick connector of claim 3 wherein the first portion
 2 comprises:
 3 a tubular body mountable in the bore in the quick connector housing,
 4 the arm extending from one end of the tubular body.

1 8. The fluid quick connector of claim 7 wherein:
 2 the tubular body is longitudinally split to form spaced edges allowing
 3 compression of the tubular body for press-fit mounting of the tubular body in the
 4 C/ bore in the quick connector housing.

1 9. The fluid quick connector of claim 7 wherein the tubular body
 2 further comprises:
 3 another end oppositely formed from the one end of the body, a lead-in
 4 edge formed on the another end.

1 10. The fluid quick connector of claim 2 wherein the first portion of
 2 the contact member comprises:
 3 an annular ring mountable in the bore in the quick connector housing,
 4 the arm extending from the annular ring.

1 11. The fluid quick connector of claim 10 further comprising:
 2 C/ the arm having a bent end extendable through an open end of a bore in
 3 the male endform.

1 12. The fluid quick connector of claim 10 further comprising:

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at least one finger extending angularly from the annular ring of the contact member, the at least one finger engagable with an end of the male endform.

13. The fluid quick connector of claim 10 wherein:
the annular ring is mountable in registry with a shoulder between two stepped bore portions of the through bore in the quick connector housing.

14. The fluid quick connector of claim 1 further comprising:
the quick connector housing and the male endform being formed of an electrically conductive material.

15. A fluid quick connector comprising:
a connector housing configured to mate with a male endform along a first axis;
the quick connector housing and the male endform being formed of an electrically conductive material; and
a contact member having a first portion fixedly mountable in a bore in the housing, and an arm extending from the first portion adapted to extend through an open end of a bore in the male endform to dispose the arm in contact with the male endform.

16. An electrical contact for a fluid quick connector having a connector housing configured to mate with a male endform, the electrical contact comprising:
an electrically conductive contact member adapted to mount in a quick connector housing to electrically connect a male endform inserted into the housing to the quick connector housing.

17. The electrical contact of claim 16 wherein the contact member comprises:
a first portion adapted to be mountable in the quick connector housing

4 bore in contact with the quick connector housing; and
 5 an arm extending from the first portion adapted for contact with the
 6 male endform inserted into the housing bore.

1 18. The electrical contact of claim 17 further comprising:
 2 the arm adapted to be extendable through an open end of the bore in the
 3 male endform into contact with a surface of the male endform.

1 19. The electrical contact of claim 18 further comprising:
 2 the arm having a bent end adapted to be extendable into the male
 3 endform.

1 20. The electrical contact of claim 19 wherein the arm and the bent
 2 end comprise:
 3 a beam portion extending from the first portion of the contact member;
 4 a back taper surface extending angularly from the beam portion; and
 5 a tip end extending angularly from an edge at one end of the back taper
 6 surface and defining a lead-in surface adapted to be engaged by a tip end of the
 7 endform.

1 21. The electrical contact of claim 20 wherein the arm and the bent
 2 end comprise:
 3 the back taper surface extends at an obtuse included angle with respect
 4 to the beam; and
 5 the tip end extends at an obtuse included angle from the back taper
 6 surface.

1 22. The electrical contact of claim 17 wherein the first portion of
 2 the contact member comprises:
 3 a tubular body adapted to be mountable in the bore in the quick
 4 connector housing, the arm extending from one end of the tubular body.

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1 23. The electrical contact of claim 22 wherein:
 2 the tubular body is longitudinally split to form spaced edges allowing
 3 compression of the tubular body for press-fit mounting of the tubular body in the
 4 bore in the quick connector housing.

1 24. The electrical contact of claim 22 wherein the tubular body
 2 further comprises:
 3 another end oppositely formed from the one end of the body, a lead-in
 4 edge formed on the another end.

1 25. The electrical contact of claim 17 wherein the first portion of
 2 the contact member comprises:
 3 an annular ring adapted to be mountable in the bore in the quick
 4 connector housing, the arm extending from the annular ring.

1 26. The electrical contact of claim 25 further comprising:
 2 the arm having a bent end adapted to extend through an open end of a
 3 bore in the male endform.

1 27. The electrical contact of claim 25 further comprising:
 2 at least one finger extending angularly from the annular ring of the
 3 contact member, the at least one finger adapted to engage the housing bore.

1 28. The electrical contact of claim 25 wherein:
 2 the annular ring is adapted to be mounted in registry with a shoulder
 3 between two stepped bore portions of the through bore in the quick connector
 4 housing.

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- 1 29. An electrical contact for a fluid quick connector having a
2 connector housing configured to mate with a male endform, the electrical contact
3 comprising:
4 a contact member having a first portion fixedly adapted to be
5 mountable in a bore in the housing, and an arm extending from the first portion
6 adapted to extend into contact with the male endform.

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